Lab 6   Postlab.

Q.1] What is the difference between A* and AO* algorithm ?

Ans]   A* algorithm :

A* is a heuristic search algorithm that finds the shortest path from a starting node to a target node in weighted graph, where the weight of each edge represents the cost of moving from one node to anoth.

AO algorithm :

AO* is an extension of the A* algorithm designed to handle situations where the heuristic function is not accurate.

Q.2] Why AO* algorithm only works when heuristic values are undermined ?

An]   (i) Requirement for optimality.
(ii) Underestimation and optimality.
(iii) Anytime optimality with Monotonicity.